



Tennessee Crop Weather

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In Cooperation with Tennessee Department of Agriculture

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Week Ending July 4, 2010

DRY WEATHER BEGINS TO STRESS CROPS

The effect of the absence of significant rainfall recently is becoming visible in crops and pastures. Crops and pastures, however, remain rated in mostly good condition and would respond nicely to rainfall. Corn development is still ahead of average, but plants have begun to twist and curl in many of the driest parts of the state. Winter wheat harvest and the first cutting of hay were just about finished up last week. Other farm activities last week included pesticide applications and irrigating crops.

There were 7 days suitable for fieldwork last week. Topsoil moisture levels were rated 16 percent very short, 38 percent short, 44 percent adequate and 2 percent surplus. Subsoil moisture levels were 11 percent very short, 30 percent short, 57 percent adequate and 2 percent surplus. Temperatures averaged a couple degrees above normal. Precipitation levels were below average across the state.

CROP PROGRESS					CONDITION					
Crop	This Week	Last Week	2009	Five Year Avg.	Item	Very Poor	Poor	Fair	Good	Excellent
Percent					Percent					
Corn – Silking	81	68	60	67	Cattle	0	3	21	64	12
Corn – Dough	9	NA	NA	2	Corn	5	9	23	49	14
Cotton – Squaring	77	52	65	78	Cotton	0	1	19	67	13
Cotton – Setting Bolls	10	NA	NA	8	Hay	2	10	29	52	7
Hay – First Cutting	99	94	99	100	Pastures	4	11	33	47	5
Soybeans – Emerged	96	89	83	90	Soybeans	2	5	21	61	11
Soybeans – Blooming	34	14	15	29	Tobacco	0	2	20	65	13
Soybeans – Setting Pods	5	NA	NA	5						
Winter Wheat – Harvested	98	91	95	98						

NA = Not Available

County Agent Comments

“No rain this week. Early planted corn is hurting for rain due to it being in tasselling stages, pastures are beginning to hurt for rain, most soybeans have been planted. Horn and face flies are very bad on cattle with lots of pinkeye cases in cow herds.”

Steve Glass, Decatur County

“Crop conditions declined this week for those areas in the county that received little to no rain last week. Soybean planting is complete. There are areas where the soybean stand is poor and those areas will be replanted when moisture is received. Producers are busy with post-emerge herbicide applications in soybeans. Some producers have applied fungicide to corn, especially where good moisture was received earlier.”

Jeff Lannom, Weakley County

“Spotty showers brought relief to some folks but others are suffering from the extended heat. Pastures without rainfall are backing up. Corn is twisting in spots.”

David K. Glover, Smith County

“Soil drying quickly after brief showers in the mid 90 temps. Some commercial vegetable crops (beans, peppers, etc.) have shown some damage. Finally finishing up first crop of hay, mature as it may be.”

Scott Chadwell, Putnam County

“Another week without rain coupled with temperatures in the high 90's has significantly stressed row-crops, pasture and hay fields. Tobacco is showing drought stress compounded by some disease pressure. Some cattle producers have begun feeding hay due to poor pasture growth. Second cutting hay is looking slim and excess nitrate build-up in hay is a concern.”

John Wilson, Blount County

“We need a good slow widespread soaking rain. Double crop soybeans and late planted tobacco are showing signs of drought stress.”

Mannie Bedwell, Hamblen County

TEMPERATURES AND PRECIPITATION
 For week ending: July 4, 2010 (with comparisons)

LOCATION	TEMPERATURE				PRECIPITATION					
	Week Ending July 4, 2010				Current Week 7/4/10	Rain Days	Current Since January 1	Departure From Normal January 1	Current Since April 1	Departure From Normal April 1
	HI	LO	AVG	DFN						
West										
Ames_Plantation	95	63	81	3	0.00	0	30.71	2.12	17.63	2.81
Brownsville_TN	95	60	79	-1	0.52	1	36.80	8.18	25.24	10.42
Covington	96	63	78	-2	0.43	1	32.25	3.90	20.64	5.97
Dyersburg	95	63	80	-1	0.02	1	20.85	-5.97	11.08	-2.92
Huntingdon_Wate	94	60	78	1	0.35	1	28.51	0.42	17.94	3.61
Jackson_Exp_Stn	94	65	80	2	0.14	1	39.46	10.96	28.14	12.92
Lexington_TN	93	63	79	1	0.22	1	36.54	9.34	23.30	9.29
Martin	95	60	78	-1	0.15	1	23.34	-4.69	13.21	-1.58
Memphis_AG	96	63	81	-1	0.00	0	33.51	5.53	20.55	6.06
Milan	95	57	78	2	0.20	1	39.97	10.89	30.28	14.82
Paris	93	57	75	-2	0.48	1	27.73	0.20	18.78	4.76
Savannah_6SW	94	62	80	2	0.29	1	36.08	4.79	20.86	5.03
Selmer	94	61	80	4	0.16	1	34.68	3.86	20.73	5.15
Union_City	93	60	76	-3	0.04	1	24.64	-3.21	12.60	-2.07
Middle										
Clarksville_Sew	92	58	77	0	0.77	2	28.73	1.90	21.71	8.53
Cookeville	92	55	76	1	0.61	1	27.89	-2.00	12.84	-2.02
Crossville_AP	89	53	74	3	0.39	1	26.09	-3.60	13.03	-1.64
Dickson_AG	94	58	77	0	0.17	1	34.51	5.58	22.66	7.74
Dover_1W	91	59	75	-2	1.26	1	31.34	3.47	23.22	9.25
Fayetteville_TN	93	57	79	4	0.03	1	25.57	-3.74	10.77	-3.26
Jamestown	89	56	74	2	1.40	1	27.80	-0.96	14.02	-0.90
Kingston_Spring	95	55	78	3	0.03	1	32.44	4.82	21.70	8.05
Lawrenceburg_Fl	93	62	79	5	0.22	1	32.42	2.31	15.61	1.32
Lewisburg	95	53	77	2	0.35	1	27.01	-2.37	14.98	0.18
Linden	93	57	78	2	0.26	1	33.42	3.30	22.46	7.33
Livingston_WLIV	91	56	75	0	1.57	1	32.11	4.66	17.29	3.36
Murfreesboro_5N	93	56	77	0	0.36	1	35.02	6.94	22.21	7.91
Nashville_Metro	94	60	79	1	0.76	1	35.28	9.73	24.86	11.55
Oneida	89	58	74	2	1.51	1	25.41	-3.39	13.29	-1.64
Portland_TN	94	58	77	2	0.25	1	23.05	-4.86	17.96	3.35
Pulaski_Water_P	90	58	75	-3	0.18	1	28.95	-0.64	14.90	0.70
Shelbyville	94	57	79	2	0.32	1	28.49	-0.76	15.85	1.48
Sparta_TN	93	53	76	2	0.10	1	31.77	2.72	13.58	-0.90
Springfield	93	61	77	2	0.72	1	31.90	5.16	21.25	7.38
Springhill	97	57	78	3	0.00	0	30.95	1.27	17.62	2.55
Tullahoma	91	56	77	1	0.37	1	28.13	-2.48	13.57	-1.07
East										
Chattanooga/Lov	96	66	81	4	0.03	1	23.38	-5.13	10.02	-2.76
Cleveland_6NNE	96	62	78	3	0.25	2	24.65	-4.84	10.40	-3.53
Dayton	92	63	78	2	0.26	1	28.32	-1.62	13.82	-0.10
Erwin_1W	93	54	75	4	0.06	1	17.39	-8.15	9.89	-4.14
Gatlinburg_2SW	92	55	74	3	0.12	1	25.13	-4.13	14.21	-1.11
Greeneville	94	58	76	2	0.57	2	17.47	-4.93	10.15	-1.56
Kingston_AG	93	62	78	4	0.38	2	29.14	-1.72	14.81	0.03
Knoxville_AP	95	63	80	5	0.00	0	19.98	-5.76	7.95	-4.47
Newcomb	89	49	74	3	0.79	2	23.03	-5.77	11.73	-3.20
Norris_4NE	89	53	74	-1	0.67	2	35.55	7.53	21.40	7.27
Tri-City_RGNL_A	93	57	75	3	0.60	1	15.72	-5.88	7.75	-3.48

DFN = Departure From Normal (Using 1961-90 Normals Period). Rain Days = Days with precip of 0.01 inch or more during the week. Precipitation (rain or melted snow/ice) in inches.
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